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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

February 16, 2003, 22:05:25 ; Search time 48.2425 Seconds (without alignments) 13999.354 Million cell updates/sec Run on:

Title: Perfect score: Sequence:

IDENTITY\_NUC Gapor 10.0 Gapop 10.0 Gapor 10.0 Scoring table:

424239 segs, 254661826 residues

Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq Maximum DB seq

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries length: 0 length: 2000000000

Database :

Published\_Applications\_NA:\*

/cgn2\_6/ptodata///pubpna/USO7\_PUBCOMB.seq:\*
/cgn2\_6/ptodata//pubpna/DSO7\_PUBCOMB.seq:\*
/cgn2\_6/ptodata//pubpna/DSO7\_NEW\_PUB.seq:\*
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/cgn2\_6/ptodata//pubpna/USO7\_NEW\_PUB.seq:\*
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/cgn2\_6/ptodata//pubpna/USO8\_PUBCOMB.seq:\*
/cgn2\_6/ptodata//pubpna/USO8\_PUBCOMB.seq:\* /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*/cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

	7	peact the following			Sequence 3471, Ap	Sequence 20174, A	Sequence 19241	, ,		Sedneuce 778, App	Seguence 17051, A	"			sednence 18/37, A	Sequence 13. Appl		1		Seguence 4012, Ap	Segmence 18923			Sequence 19531, A	Segmence 14467	1 -	seducince Intl3, A
	a		115-09-864-761-20241	110-00-064-761-241	US-09-804-101-34/1	US-09-864-761-20174	US-09-864-761-19241	US-09-864-761-2513	115-109-864-761-220	077 107 100 00 00	150/T-T9/-808-60-50	US-09-842-552-22	US-09-842-552-79	110-00-864-761-10-01	/5/0T-T0/- #00 CO CO	US-09-849-243-13	US-09-849-243-15	US-09-849-243-14	0 0 0 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	7T0+-T0/- +00-60-60	US-09-864-761-18923	US-09-864-761-2182	10-00-00-01	TECET_TO/_ 100_60 CO	US-09-864-761-14467	US-09-864-761-10113	711771 1771 1771
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20	Sequence 19488, A	Sequence 2772, Ap	Sequence 491, App	Sequence 1748, Ap	Sequence 8, Appli	Sequence 25347. A	Sequence 8628. An	Sequence 111. Ann	Sequence 104 Ann	Sequence 6, Appl1	2	Sequence 25339. A	Sequence 3121 Ap	Sequence 8619, An	Sequence 28 Appl	22	Sequence 1. Appli	Sequence 19900. A	Sequence 7357. An	Sequence 4457, Ap	Sequence 8054. An		Segmence 2. Appli		Sequence 171 Approx	Sequence 9, Appli
20 43 3.2 660 21 42.4 3.2 962 22 42.4 3.2 962 24 42.2 3.2 270 25 41.8 3.2 270 26 41.8 3.2 572 27 41.8 3.2 1134 29 41.8 3.2 1134 21 41.8 3.2 1134 21 41.8 3.2 1134 22 41.8 3.2 1134 31 41.2 3.1 1556 32 40.8 3.1 1005 34 40.6 3.1 1029 41 40.6 3.1 5361 42 40.6 3.1 5361 43 40.6 3.1 5361 44 40.6 3.1 5361 45 40.6 3.1 6504 46 60.6 3.1 6504 47 40.6 3.1 6504 48 40.6 3.1 6504 49 60.6 3.1 6504	US-09-864-761-19488	US-09-864-761-2772	_		0	US-09-864-761-25347	US-09-864-761-8628	US-09-737-178-111	US-09-737-178-104	US-10-026-188-6	US-09-864-761-4249	US-09-864-761-25339	US-09-864-761-3121	US-09-864-761-8619	US-09-864-864-28	US-09-864-864-27	US-09-287-599-1		US-09-864-761-7357	US-09-815-242-4457	US-09-815-242-8054	US-09-735-367B-5	US-09-742-096-2	US-09-742-096-1	US-09-969-347-171	US-09-735-367B-9
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	20	22	3 6	57	57.0	57	26	27	c 28	29	30	31	32	33	c 34			37	38							c 45

## ALIGNMENTS

Sequence 20241, Application US/09664761
Sequence 20241, Application Search Company Com US-09-864-761-20241/c

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OTHER INFORMATION: MOTHER INFORMATION: E OTHER INFORMATION: E OTHER INFORMATION: E
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43.7%; Pred. No. 5.3e-08;
tive 0; Mismatches 408; Indels 0;
                                                                                                                                                                                                                                                                                 FEATURE:
OTHER INFORMATION: MAP TO ACO06547.9
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 17
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
OTHER INFORMATION: EXPRESSED IN HEAR, SIGNAL = 8.6
OTHER INFORMATION: EXPRESSED IN HEARY, SIGNAL = 9
OTHER INFORMATION: EXPRESSED IN BEARY, SIGNAL = 12
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 11
OTHER INFORMATION: EXPRESSED IN FULL LIVER, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW. SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW. SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW. SIGNAL = 10
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-01-30
PRIOR SEQ. ID NOST: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best_Local Similarity 43.7
Matches 317; Conservative
                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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LENGTH: 1635
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                                                                                                                                    Ouery Match 5.4%; Score 72.2; DB 10; Length 1973; Best Local Similarity 43.7%; Pred. No. 5.7e-08; Matches 317; Conservative 0; Mismatches 408; Indels 0;
CTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 9
COTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 12
COTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 10
COTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 8.4
COTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 8.4
COTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 10
US-09-864-761-341
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US-09-864-761-20174/c
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APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
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OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN BEAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN PLACEWIA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FERTAL LIVER, SIGNAL = 1.5
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Pred. No. 3.2e-05;
0; Mismatches 199;
                                                                                              TILLE REFERENCE: Acomica-x-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILIKO DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR FILING DATE: 2000-05-26
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-03
PRIOR FILING DATE: 2000-09-03
PRIOR FILING DATE: 2000-09-03
PRIOR PILING DATE: 2000-09-27
PRIOR PELICATION NUMBER: BCT/USO1/00666
PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0,
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Best Local Similarity 50.0
Matches 205; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITITGATAGATCAGCCGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTG 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAG 475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56 GAGCTGTTCCATGTCCTGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTG 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  116 CIGAICTIGGIACTIGIGITAATIGCAGACCTAATITITACTATAAIGGIGGIGCIGCTI 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     236 TACCATGCCAAATAAACAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTATTAG 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGAGGAGTGACAGATG 355
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                                                                                                                                                                                                NN: MAP TO ALO78472.1

NN: EXPRESSED IN BONE MARROW, SIGNAL = 19

NN: EXPRESSED IN LUNG, SIGNAL = 19

NN: EXPRESSED IN BT474, SIGNAL = 34

NN: EXPRESSED IN BT474, SIGNAL = 34

NN: EXPRESSED IN ADULT LIVER, SIGNAL = 28

NN: EXPRESSED IN HELA, SIGNAL = 43

NN: EXPRESSED IN PLACEWIA, SIGNAL = 25

NN: EXPRESSED IN HELAO, SIGNAL = 25

NN: EXPRESSED IN HEART, SIGNAL = 18

NN: EXPRESSED IN HEART, SIGNAL = 21

NN: EXPRESSED IN HEART, SIGNAL = 20

NN: EXPRESSED IN HEART, SIGNAL = 20

NN: EXPRESSED IN HEART, SIGNAL = 20

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NN: EXPR
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Best Local Similarity 42.6%; Pred. No. 0.00011;
Matches 304; Conservative 0; Mismatches 410;
                            Annomax Sequence Listing Engine vers.
      NOS: 49117
                                                                                                                              TYPE: DNA ORGANISM: HOMO Sapiens
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INFORMATION:
INFORMATION:
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INFORMATION:
NUMBER OF SEQ ID N
SOFTWARE: Annomax
SEQ ID NO 19241
LENGTH: 1075
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Penn, Sharron G.
APPLICANT: Ranzel, David K.
APPLICANT: Ranzel, David K.
APPLICANT: Chen, Wansheng
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REPERENCE: Acondica **1
CURRENT APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-02-04
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
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            348 GGTGGGGATAATGATGGTGATGCTGCCGATGGTGATGGTGGTGATGATGATGGTGATGCT 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        111 AATAATGCTAATGGTGATGGCGATGATGGTGATAATAACGATGATGGTGAT 52
                                                                                                                 529 TCTCCTGCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCT
                                                                                                                                                                                                                                                                                                                 589 ACTGGCACTGTACTTGATGATGAGTGACACTTGTTTTAATACATCAGCCACATTATGT
                                                                                                                                                                                                                                                                                                                                                                             168 GCTG---CTGACGGTGATGATGGTGATGATGATGGTAATGATGATGATGGTGAGGGT
                                                                           GCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAACTAAACAAAAACGAT
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: US 60/234,687
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PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
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Patent No. US20020048763A1
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GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2000-05-04
PRIOR FILING DATE: 2000-02-04
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-36
PRIOR RAPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-36
PRIOR FILING DATE: 2000-06-05
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
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                                                                                                                                                                                                                                                                                           176 AAGGAGAAGCTAATGGTAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTG 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                        817 GTAGTGGTGATGATGATGATGGTGGTGGTGGTCGTGGTTTTAGTGGTGATGGTG 876
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                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              296 CCACATAATGCAGTACTTAATGTCCTACTGGCACTGCACTTGATGATGGAGTGACAGATG
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                                  Indels
     Pred. No. 0.00013;
0; Mismatches 410;
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Patent No. US20020048763A1
ilarity 42.6%;
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                                                                                                                                                                                                                                                                    TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1403;
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N: EXPRESSED IN LUNG, SIGNAL = 19
N: EXPRESSED IN HT474, SIGNAL = 34
N: EXPRESSED IN FETAL LIVER, SIGNAL = 28
N: EXPRESSED IN HELA, SIGNAL = 43
N: EXPRESSED IN PLACENTA, SIGNAL = 20
N: EXPRESSED IN PLACENTA, SIGNAL = 25
N: EXPRESSED IN HEALDO, SIGNAL = 25
N: EXPRESSED IN HEALT, SIGNAL = 25
N: EXPRESSED IN HEART, SIGNAL = 25
N: EXPRESSED IN HEART, SIGNAL = 25
N: EXPRESSED IN HEART, SIGNAL = 25
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                                                                                                                                                                                                                                                                                                               THILE OF INVENTION: GENE EXPRESSION ANALYSI.
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR PELCATION NUMBER: US 60/180,312
PRIOR PELCATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-06-36
PRIOR FILING DATE: 2000-09-37
PRIOR FILING DATE: 2000-09-37
PRIOR FILING DATE: 2000-09-37
PRIOR PELING DATE: 2000-09-37
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR FILING DATE: 2001-01-30
PRIOR PRI
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                                                                                  Sequence 2513, Application US/09864761
Patent No. US20020048763A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TO AL078472.1
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                                                                                                                             GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
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                                                      09-864-761-2513
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LENGTH: 1403
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PERCENTENAL INFORMATION:

PREPERTY PERU, SPAITTON G.

APPLICANT: PERU, SPAITTON G.

APPLICANT: PERU, SPAITTON G.

APPLICANT: PERU, SPAITTON G.

TITLE OF INVENTION: DAVIG M.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: CREE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

CURRENT FILING DATE: 2001-05-20

PRIOR FILING DATE: 2001-05-20

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-06-20

PRIOR APPLICATION NUMBER: 03-05-36

PRIOR FILING DATE: 2000-06-30

PRIOR PLICATION NUMBER: PCT/VISO1/00666

PRIOR PRIOR APPLICATION NUMBER: PCT/VISO1/00666

PRIOR APPLICATION NUMBER: PCT/VISO1/00666

PRIOR APPLICATION NUMBER: PCT/VISO1/00667

PRIOR APPLICATION NUMBER: PCT/VISO1/00667

PRIOR FILING DATE: 2001-09-37

PRIOR FILIN
AATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTT 445
                                                                                                                             446 AAGTITITGCTGCTGGTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAATGTGTAC 505
                                                                                                                                                                       128 GTGATCATGTAGTAGTAGTGGCGGTGCCCATGGTGATGGTGATGTAGT 76
                                                                                                                                                                                                                                                                 506 CTTGCCAACTAAACAAAACGATTCTCCTGCCACTGCAGGTGCCTAAGCTAAT
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OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 7.8
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17051, Application US/09864761 Patent No. US20020048763A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTCAAGCTGGATTGACTGATGTAGGTGCTGCTGATCTTGGTACTTGTGTAATTGCAGAC 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATGAGGATGGTTGTCATAGTGATGGTGATAATGGTGATCATTGTGATGGTAGTGGTGGTG 309
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44.2%; Pred. No. 0.0052;
tive 0; Mismatches 264; Indels 0
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N: EXPRESSED IN HELLOO, SIGNAL = 5.2
N: EXPRESSED IN FETAL LIVER, SIGNAL = 5.2
N: EXPRESSED IN BRAIN, SIGNAL = 8.4
N: EXPRESSED IN PLACENTA, SIGNAL = 4.7
N: EXPRESSED IN PLACENTA, SIGNAL = 4.7
N: EXPRESSED IN ADULT LIVER, SIGNAL = 4.7
N: EXPRESSED IN LUNCY, SIGNAL = 5.6
N: EXPRESSED IN LUNCY, SIGNAL = 5.6
N: EXPRESSED IN BONE MARROW, SIGNAL = 5.6
N: EXPRESSED IN BONE MARROW, SIGNAL = 7.8
N: EXPRESSED IN BONE MARROW SIGNAL = 7.8
                    PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2000-01-30
PRIOR FILING DATE: 2000-01-30
PRIOR PILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
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Best Local Similarity 44.2
Matches 209; Conservative
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ORGANISM: Homo sapiens
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OTHER INFORMATION:
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OTHER INFORMATION:
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Sequence 79, Application US/09842552
Patent No. US20020055628A1
GENERAL INFORMATION:
TITLE OF INVENTION: MULTILCOUS REPETITIVE DNA SEQUENCES FOR GENOTYPING BACILLUS AN
TITLE OF INVENTION: RELATED BACTERIA
TITLE OF INVENTION: RELATED BACTERIA
TITLE OF INVENTION NUMBER: US/09/842,552
CURRENT APPLICATION NUMBER: US 60/199,911
PRIOR PILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 106
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                             982 TGTCCAGTAAGTAAACTACTCCAGCACATGCTCCAGGTAATACTGCTACTTAAGCCACA 1041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1042 TAATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGGAACATCAACTATTT 1101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1102 GTAGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTGCATCAAAAACAACT 1161
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                                            GGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGCTGCTGCTGCTGCA 741
                                                                                                                                                                 803 GITTCTGCAATTACTTCCACTTCTTCTAATTCTTCTAATTTTTCTGCAATTACT 744
                                                                                                                                                                                                        802 GCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGCAGTACTTAATGTCCAACTGGC 861
                                                                                                                                                                                                                                                  743 TCCACTICITCIAACICITCIGCAACIACTICCACTICITCIAATICITCIGIT 684
                                                                                                                                                                                                                                                                                                     921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      503 TCTGCAATTACTTCTACTTCTTCTGACTCTTCTGCTTTCTGCAATTACTTCTACTTCTTCT 444
                                                                                                                                                                                                                                                                                                                                                                                                             623 GACTCTTCTGTTTCTGCAATTACTTCTTCTTCTTCTGACTCTTCTGTTTCCGCAATTACT 564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     563 TCTACTTCTTCTGACTCTTCTGTTTTCTGCAATTACTTCTACTTCTTGACTCTTCTGTT 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      383 TCAAGTTTTTCTTCTGCTTTGACATCACTGATTCTTCTGGTGCTTGTTTTTCTACTTCA 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     682 GGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCA 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               742 GGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAAATAAACAAAAAAGGATTCTCCT 801
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                                                                                                                                                                                                                                                                                            862 ACTGCAATTCAAGACGGAGTGACACTTGTTTTAGTAATTCATCCACATAATGTTCTTAA
                                                                                                                                                                                                                                                                                                                                                                            922 TGCATTGCTAATTACTTTTTAATGGTAATTTCGAAGCAGGTAAAAGTTAATGTTTAAAG
                                                                             863 GETICCACTICTICTGGTGGTTCTGTTTCTGCAATTACTTCTACTTCTTGACTCTTCT
                                                                                                                         742 GGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAAATAAACAAAAACGATTCTCCT
                                                                                                                                                                                                                                                                                                                                    683 TCTGCAGTTACTTCCACTTCTTCTACTCTTCTGTTTCTGCAATTACTTCTACTTCTTCT
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Pred. No. 0.036;
0; Mismatches 310; Indels
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-842-552-79/c
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Sequence 22, Application US/09842552

Sequence 22, Application US/09842552

Sequence 22, Application US/09842552

Sequence 22, Application US/09842552

GENERAL INFORMATION:

APPLICANT: THE REGENTS of The University of California

TILE OF INVENTION: MULTILOCUS REPETITIVE DNA SEQUENCES FOR GENOTYPING BACILLUS ANTHR

TILE OF INVENTION: RELATED BACTERIA

FILE REFERENCE: S-89,687

CURRENT APPLICATION NUMBER: US/09/842,552

CURRENT FILING DATE: 2001-04-23

PRIOR APPLICATION NUMBER: US 60/199,911

PRIOR FILING DATE: 2000-04-26

NUMBER OF SEQ ID NOS: 106

SOFTWARE: PALENTIN VERSION 3.0
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                                                                                                                                                                                                                                                                                                                                                                            482 CTCATGATGGTGCTGCTGGTGATGGTGATGATGTTGTCATAATGATGGTGATAATG 423
                                                                                                                                                                                                                                                                                                                                                                                                                        146 CTAATTTTTACTATAATGGTGGTGCTGCTTAAGGAGAAGCTAATGGTAATTAACCTTTCG 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           266 TTACCAATGCAGTGACTTAGCTACTTTAGCCACATAATGCAGTACTTAATGTCCTACTG 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     302 ATGAGGATGGTTGTCATAGTGATGGTGATAATGGTGATCATTGTGATGGTAGTGGTGGTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           386 AATGCAAACCTAACTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTT 445
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  N: EXPRESSED IN HELA, SIGNAL = 8.2

N: EXPRESSED IN BRAIN, SIGNAL = 8.4

N: EXPRESSED IN PLACENTA, SIGNAL = 4.7

N: EXPRESSED IN HEART, SIGNAL = 4.3

N: EXPRESSED IN ADULT LIVER, SIGNAL = 5.6

N: EXPRESSED IN BONE MARKOW, SIGNAL = 7.8

N: EXPRESSED IN BOYE MARKOW, SIGNAL = 7.8

N: EXPRESSED IN BT474, SIGNAL = 7.8
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3.8%; Score 50.6; DB 10; Length 669;
Best Local Similarity 44.2%; Pred. No. 0.0055;
Matches 209; Conservative 0; Mismatches 264; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 3.6%; Score 48; DB 10; Length 2014; Best Local Similarity 43.0%; Pred. No. 0.036; Matches 234; Conservative 0; Mismatches 310; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Bacillus anthracis
OTHER INFORMATION: E:
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LENGTH: 2014
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391 GAIGCAGGIATIGGIGTIGGIGCAGAIGTIGAIGCAGAIGTIGAAGCAGGIGCIGAAAAA 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             331 GGTGTTGATGCAGGTGCAGATGCTGATGCTGGTAGTGATGCTGATGGTAGTGATGCTTGT 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      595 ACTGTACTTGATGATGGAGTGACACTTGTTTTAATACATCAGCCACATTATGTGTTAAA 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  655 IGCAGACCTAACTTTACTATAATGGTGGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAA 714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     415 GGTTCTCCTTAAGGTGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGCTGCTGCCGCTGCA 474
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TITLE OF INVENTION: PURIFICATION OF HIGHER ORDER TRANSCRIPTION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 510;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTHER INFORMATION: MAP TO AL035457.11

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.85

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.6

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.9

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.93

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.95
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 47.8; DB 10;
Pred. No. 0.023;
0; Mismatches 222;
                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00661
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00670
PRIOR PLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR PLILING DATE: 2000-09-21
PRIOR PLILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
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Berglund, Erick
Meisterernst, Michael
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Patent No. US20020157127A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 3.6%;
Best Local Similarity 44.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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OTHER INFORMATION:
US-09-864-761-18737
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                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 18737
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                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1102 GTAGCTTCCGCAACTGAATGTACTAAATGTTCTGCTGGCTTTTTTGCATCAAAAACAACT 1161
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1042 TAATGTTTGACCACATGTCCTGCTGGTACAGTACTTGATGGAACATCAACTAATTT 1101
                                                                                                                                                                                                                                                                                                                                                                                                                                           503 TCTGCAATTACTTCTTCTTCTCTCTCTTCTTTTTTCTGCAATTACTTCTTCTTCT 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        383 TCAAGTITITCTICTGCTTIGACAATCACTGATTCTTCTGGTGCTTGTTTTTCTACTTCA 324
                                                               802 GCCACTGCAGGTGCCTAAGCTAATTTAGCCACATAATGCAGTACTTAATGTCCAACTGGC
                                                                                                                                                                                                                                                                                                                                623 GACTETECTGITTETGCAATTACTECTACTTCTTCTGACTCTTCTGTTTCCGCAATTACT
              GITICIGCAATTACTTCCACTTCTTCTAATTCTTCTAATTTTTCTGTTTCTGCAATTACT
                                                                                                                                                                             862 ACTGCAATTCAAGACGGAGTGACACTTGTTTTAGTAATTCATCCACATAATGTTCTTAA
                                                                                                                                                                                                                                 683 TCTGCAGTTACTTCCACTTCTTCTAACTCTTCTGTTTCTGCAATTACTTCTACTTCTTCT
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PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-05-26

PRIOR PELING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR PILING DATE: 2000-08-03

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PLING DATE: 2001-01-30

PRIOR PRIOR PLING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rank, David R. APPLICANT: Hansel, David R. APPLICANT: Hansel, David K. APPLICANT: Chen, Wensheng
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ATTORNEY/AGENT INFORMATION:
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STRANDEDNESS: single
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Best Local Similarity 62.2%;
Matches 74; Conservative
                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                     NAME/KEY: exon
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ZIP: 20006
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                                                                                                                                                                                                                                                                                       FEATURE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polites, Greg
TITLE OF INVENTION: PURIFICATION OF HIGHER ORDER TRANSCRIPTION
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                                                                                                                                            Length 1310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45; Indels
                       NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: HELLER, EHRMAN, WHITE & MCAULIFFE
STREET: 1666 K Street, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: HELLER, EHRMAN, WHITE & MCAULIFFE STREET: 1666 K Street, N.W., Suite 300 CITY: Washington
COMPLEXES FROM TRANSGENIC NON-HUMAN ANIMALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPLEXES FROM TRANSGENIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 47; DB 9;
Pred. No. 0.052;
0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NON-HUMAN ANIMALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-849-243-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Berglund, Erick
Meisterernst, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 15, Application US/09849243
; Patent No. US20020157127A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 1310 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Kirschbaum, Bernd
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 3.5%;
Best Local Similarity 62.2%;
Matches 74; Conservative
                                                                                                                       ZIP: 20006
COMPUTER READABLE FORM:
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COMPUTER READABLE FORM:
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                                                                              CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: exon
                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 12
US-09-849-243-15/c
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678 IGGIGGITCTCCTTAAGGIGAAGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGC 737
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COMPLEXES FROM TRANSGENIC
NON-HUMAN ANIMALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              738 TGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCTTGCCAAATAAACAAAAAGGATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 3263;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       45; Indels
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,243
FILING DATE: 07-May-2001
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSE: HELLER, EHRMAN, WHITE & MCAULIFFE
STREET: 1666 K Street, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 47; DB 9;
Pred. No. 0.076;
0; Mismatches 4
                                                                                                                                                              NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 38005-0148
REFERENCE/DOCKET NUMBER: 38005-0148
TELEPHONE: (202) 912-2000
TELEPHONE: (202) 912-2000
TELEPAX: (202) 912-2020
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Granados, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 38005-0148
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)912-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,243
FILING DATE: 07-May-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: 1.3263
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Berglund, Erick
Meisterernst, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 14, Application US/09849243
; Patent No. US20020157127A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                               LENGTH: 3263 base pairs
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Sequence 18923, Application US/09864761

Sequence 18923, Application US/09864761

GENERAL INFORMATION

APPLICANT: Penn, Sharron G.

APPLICANT: Penn, Wensheng

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2010-05-23

PRIOR FILING DATE: 2000-02-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  192 TAATTAACCTTTCGCAGCAAATAATGCTGCTAGAGGTATATGTGTACCATGCCAAATAAA 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        252 CAGAGTAGGCTCTGTTACCAATGCAGGTGACTTAGCTACTTTAGCCACATAATGCAGTAC 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  554 TGATGCTGATGATGATGATGACAGTGATGATGATGATGATGATGATGATGATGATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             312 TTAATGTCCTACTGCACTGCACTTGATGATGGAGTGACAGATGTTTTTGATAGATCAGC 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        372 CGCATAATGTGTTAAATGCAAACCTAACTTTTACTATAATGGTGGTTCTCCTTAAGGTGA 431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         674 TGATGACAGTGATGCTGGTGATGATGACGATAGCGATGATGGGGGATGATGACAGTGATGA 733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                132 TGTTAATTGCAGACCTAATTTTTACTATAATGGTGGTGCTGCTTAAGGAGAAGCTAATGG 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  72 TGATGGTACTTAGACTCAAGCTGGATTGACTGATGTAGGTGCTGCTGATCTTGGTACTTG 131
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3.5%; Score 46; DB 10; Length 1959;
Best Local Similarity 44.6%; Pred. No. 0.11;
Matches 181; Conservative 0; Mismatches 225; Indels
                                                                                                                                                                                                                                                                                                                                                                                                     HER INFORMATION: MAP TO AL02234.1
HER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
HER INFORMATION: EXPRESSED IN BTAIN, SIGNAL = 2.1
HER INFORMATION: EXPRESSED IN HUNG, SIGNAL = 1.7
HER INFORMATION: EXPRESSED IN HELLOO, SIGNAL = 2.3
HER INFORMATION: EXPRESSED IN HELLOO, SIGNAL = 2.3
HER INFORMATION: EXPRESSED IN HELLOO, SIGNAL = 2.2
HER INFORMATION: EXPRESSED IN PURCHEN, SIGNAL = 2.4
HER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.2
HER INFORMATION: EXPRESSED IN HERAL SIGNAL = 2.2
HER INFORMATION: EXPRESSED IN HERAL SIGNAL = 2.2
HER INFORMATION: EXPRESSED IN HERAL SIGNAL = 2.2
HER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
HER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        432 AGCTCCTGGCGTTTAAGTTTTTGCTGCTGGTGCTGCCGCTGCAGGT 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
APPLICATION NUMBER: US 09/608,408
                                                                      09/774,203
   PRIOR APPLICATION NUMBER: US O PRIOR FILING DATE: 2000-06-30 PRIOR APPLICATION NUMBER: US O PRIOR FILING DATE: 2001-01-29
                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: MOTHER INFORMATION: EDUTHER INFO
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US-09-864-761-18923/c
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CTHER INFORMATI
US-09-864-761-4012
                                                                                                                                                                                                                                                                       LENGTH: 1959
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APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica.~1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 4286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 47; DB 9;
Pred. No. 0.084;
0; Mismatches 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-05-26
PRIOR PAPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-0-10-4
PRIOR FILING DATE: 2000-10-4
PRIOR FILING DATE: 2000-10-4
PRIOR PLILOR DATE: 2000-10-3
PRIOR PLILOR DATE: 2000-10-3
PRIOR PLILOR DATE: 2001-01-30
PRIOR PLILOR DATE: 2001-01-30
PRIOR PLILOR DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLILOR DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: exon
LOCATION: 1..4286
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 201-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4012, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
                                                   INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 4286 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                       TELEFAX: (202)912-2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch 3.5%;
1 Similarity 62.2%;
74; Conservative (
                                                                                                                                                                                                                                                       TOPOLOGY: linear
                                                                                                                                                                                                                                                                                           MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-864-761-4012
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Search completed: February 17, 2003, 01:56:31 Job time: 62.2425 secs

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